

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L1    | 1568  | recess with swag\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/06/17<br>10:57 |
| L2    | 20    | 1 with mandrel   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/06/17<br>10:57 |
| L3    | 54    | 1 same mandrel   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/06/17<br>10:58 |
| L4    | 3     | ((("5337476") or<br>("5522246") or<br>("6758077")).PN.                   | USPAT   | OR               | OFF     | 2011/06/17<br>11:16 |
| L5    | 2     | ((("7007869") or<br>("4435972")).PN.                                     | USPAT   | OR               | OFF     | 2011/06/17<br>12:19 |
| L6    | 4     | ((("7007869") or<br>("4435972") or<br>("7213576") or<br>("6840283")).PN. | USPAT   | OR               | OFF     | 2011/06/17<br>12:25 |
| S1    | 1     | ("6039237").PN.  | USPAT   | OR               | OFF     | 2011/05/25<br>12:44 |
| S2    | 37    | (29/888.41).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2011/05/25<br>12:46 |
| S3    | 11971 | fuel adj injection adj<br>nozzle   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/05/25<br>12:54 |

|     |      |   |   |    |     |                     |
|-----|------|---|---|----|-----|---------------------|
| S4  | 1558 | S3 same (forming or manufacturing or making)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/25<br>12:54 |
| S5  | 4    | S4 same swag\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/25<br>12:55 |
| S6  | 5    | ("3118611").URPN.   | USPAT   | OR | ON  | 2011/05/25<br>12:57 |
| S7  | 17   | ("3118611"  <br>"3669360"   "4261513"<br>  "4436247"  <br>"4540126"   "4566635"<br>  "4715540"  <br>"4715541"   "4899935"<br>  "4907745"  <br>"4909440"   "5020500"<br>  "5209403").PN. OR<br>("6053425").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2011/05/25<br>13:00 |
| S8  | 881  | S3 with (forming or manufacturing or making)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/25<br>13:10 |
| S9  | 179  | (29/888.4).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>13:47 |
| S10 | 204  | (29/890.09).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>13:53 |
| S11 | 1389 | (29/890.1).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>13:59 |
| S12 | 1    | ("5894755").PN.   | USPAT   | OR | OFF | 2011/05/25<br>14:18 |

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| S13 | 817  | (72/402).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>14:32 |
| S14 | 4067 | swag\$3 with die   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/25<br>15:02 |
| S15 | 588  | S14 with tube  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/25<br>15:03 |
| S16 | 50   | S15 same recess  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/25<br>15:03 |
| S17 | 18   | ("20010003398"  <br>"4881763"   "5402829"<br>  "5617828"  <br>"5667255"   "6279540"<br>  "6415768"  <br>"6431150"   "6536806"<br>  "6595558"  <br>"6824173"   "6840283"<br>  "6843275"  <br>"6871638"   "6918378"<br>  "6935377"  <br>"6938880").PN. OR<br>("7213576").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2011/05/25<br>15:06 |
| S18 | 266  | (72/401).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>15:11 |
| S19 | 108  | (72/370.04).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>15:17 |
| S20 | 718  | (239/584).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2011/05/25<br>17:39 |

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|-----|------|---|---|----|-----|---------------------|
| S21 | 752  | (239/585.5).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/05/25<br>20:39 |
| S22 | 1229 | (239/533.2).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/05/25<br>21:14 |
| S23 | 833  | (239/124).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/05/25<br>22:03 |
| S24 | 6    | ("3770937"  <br>"4500027"  <br>"4560101").PN. OR<br>("6039237").URPN.   | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2011/05/26<br>11:01 |
| S25 | 5    | ((("5280675") or<br>("5337476") or<br>("5428894") or<br>("5435207") or<br>("5469759")).PN.  | USPAT   | OR | OFF | 2011/05/26<br>11:12 |
| S26 | 30   | ("1945092"  <br>"4294100"   "4597365"<br>  "4612695"  <br>"4693138"   "4781076"<br>  "4809562"  <br>"4847963"   "4858295"<br>  "4867004"  <br>"4882825"   "4903543"<br>  "4947547"  <br>"5052845"   "5085099"<br>  "5101554"  <br>"5136780"   "5157832"<br>  "5197351"  <br>"5201247"   "5205187"<br>  "5259268"  <br>"5272930"  <br>"5299881").PN. OR<br>("5469759").URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2011/05/26<br>11:13 |

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|-----|------|--|---|----|----|---------------------|
| S27 | 27   | ("1945092"  <br>"4294100"   "4597365"<br>  "4612695"  <br>"4693138"   "4781076"<br>  "4809562"  <br>"4847963"   "4858295"<br>  "4882825"  <br>"4903543"   "4947547"<br>  "5007165"  <br>"5052845"   "5101554"<br>  "5136780"  <br>"5157832"   "5197351"<br>  "5205187"  <br>"5259268").PN. OR<br>("5337476").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/05/26<br>11:19 |
| S28 | 17   | ("2942728"  <br>"5259268"  <br>"5337476").PN. OR<br>("5522246").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/05/26<br>11:22 |
| S29 | 16   | ("4161112"  <br>"4277969"   "4292831"<br>  "4616500"  <br>"4726211"   "5119662"<br>  "5522246"  <br>"5606583"   "5644938"<br>  "6038901"  <br>"6134937"   "6718811"<br>  "6758077"  <br>"6837091"   "7114362"<br>  "7412866").PN. OR<br>("7644601").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/05/26<br>11:25 |
| S30 | 4069 | swag\$3 with die   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/05/26<br>12:45 |
| S31 | 711  | S30 with (tube or<br>tubular)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/05/26<br>12:54 |
| S32 | 86   | S31 with mandrel   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/05/26<br>12:55 |
| S33 | 13   | ("3422518").URPN.  | USPAT   | OR | ON | 2011/05/26<br>13:06 |

**6/ 17/ 11 12:55:14 PM**

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